

MODULATION OF HEDGEHOG-MEDIATED SIGNALING PATHWAY

ABSTRACT OF THE DISCLOSURE

The present invention provides transcription factors associated with the hedgehog signaling pathway that are regulated by dephosphorylation by phosphatases. Hedgehog response elements (HRE) that interact with the dephosphorylated transcription factors are also provided as well as methods for identifying compounds that are phosphatase inhibitors. Methods of treating tumors in a subject by modulating the phosphorylation of the transcription factor are also included.